

Questions and Answers

6/13/02

The following provides closure to Questions which were left TBD at the PPC:

Q43: Is the Delta 7926 configuration available for Scout proposers?

A43: Yes, the Delta II 7926 configuration will be availability for this mission. Proposer should add \$3M to the 7925 cost figure (\$79M) provided in the Mars Scout ELV Info Summary.

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Q36: My Scout proposal carries a small number of RHUs to Mars. Am I required to include cost for launch approval since the Mars Program already has a program to provide launch approval for Mars missions?

A36: There are additional launch approval costs above and beyond the nominal mission unique costs provided in the ELV cost for missions with nuclear material.

Proposers with nuclear material on the flight system should use the following table and assumptions in their Step 1 proposals:

Rough Order of Magnitude Mars Scout NEPA/LA Costs (FY '03)

Mars Scout Architecture	Delta II/III/IV/Atlas V
Use of RHUs w/SRM Upper Stage	\$6-8M
Use of RHUs w/EGA	\$5-7M
Use of RHUs	\$4-6M

- These estimates are being provided strictly for use in estimating '07 Mars Scout mission costs and are not appropriate for any other use.
- Generally, Nuclear Safety Launch Approval (i.e., use of RHUs) will substantially influence mission NEPA/LA costs relative to other mission characteristics (e.g., Sample Return).
- Use of the Atlas V, Delta IV, and Delta III, respectively, in lieu of Delta II will generally drive costs toward the higher end of the range presented here (i.e., Delta II cost < Atlas V cost < Delta IV cost < Delta III cost).
- All estimates assume no new facility construction or major modification to existing facilities.
- SRM (Solid Rocket Motor) upper stage option does not include costs associated with implementing a SRM breakup system (this is included in the ELV launch costs provided in the Scout Library ELV document).
- EGA (Earth Gravity Assist) option does not include Earth swingby analyses
- NEPA – National Environmental Policy Act -LA: Nuclear Safety Launch Approval
- These costs include necessary coordination with NASA ELV processes and procurements.